

INTERNATIONAL SEARCH REPORT

International Application No. **QV6053**
PCT/DE2004/000004

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F16L37/00 F16L37/14		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F16L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Character of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 33 24 383 A (BEVIPI AG) 12 January 1984 (1984-01-12) cited in the application the whole document	1
Y	FR 1 468 174 A (GRA TEC INC) 3 February 1967 (1967-02-03) page 3 -page 4	1
Y	US 6 290 263 B1 (MURKEN JOSEPH S) 18 September 2001 (2001-09-18) abstract; figure 1	1
Y	GB 902 447 A (HATHAWAY LTD L) 1 August 1962 (1962-08-01) the whole document	1
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in an annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principles or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 5 May 2004		Date of mailing of the international search report 02/06/2004
Name and mailing address of the ISA European Patent Office, P.O. 5610 Patentstr. 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 91 051 epo nl, Fax (+31-70) 340-3016		Authorized officer Eberwein, M

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Information on patent family members

International Application No. QV6053
PCT/DE2004/000004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3324383	A	12-01-1984	IT 1156050 B DE 3324383 A1 DK 274183 A	28-01-1987 12-01-1984 10-01-1984
FR 1468174	A	03-02-1967	NONE	
US 6290263	B1	18-09-2001	NONE	
GB 902447	A	01-08-1962	NONE	

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